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**SALT RIVER PROJECT**

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2009 APR -1 P 3: 28

**KELLY J. BARR, ESQ.**  
Manager, Regulatory Affairs & Contracts

AZ CORP COMMISSION  
DOCKET CONTROL

HAND-DELIVERED

April 1, 2009

Docket Control  
Arizona Corporation Commission  
1200 West Washington Street  
Phoenix, AZ 85007-2996

RE: Resource Planning – Historical Information – Docket No. E-00000H-09-0113

To Whom It May Concern:

In accordance with the Arizona Corporation Commission's (the "Commission") request in Decision No. 56381, issued on March 9, 1989, in Docket No. U-2217-88-131, and amended by Procedural Order in Docket No. E-00000A-95-0506, Salt River Project Agricultural Improvement and Power District ("SRP") voluntarily provides the accompanying resource planning information. The information, which consists of demand side data and supply side data, has been assembled consistent with the Commission's Resource Planning Rules (A.A.C. R14-2-701 and R14-2-703).

SRP is providing an original and thirteen (13) copies of the information to Docket Control. Confidential and proprietary information has been omitted.

Please address any inquiries regarding the enclosed information to Jana Brandt at (602) 236-5028.

Sincerely,

Kelly J. Barr

Enclosures

Arizona Corporation Commission  
**DOCKETED**

APR -1 2009

DOCKETED BY	NR
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**SRP's Voluntary Submittal in Response to the  
Arizona Corporation Commission's Request for Data  
To Help Develop a Statewide Resource Planning Model**

**OPEN TO PUBLIC INSPECTION – MARCH 2009 FILING**

**A.      Demand Side Data: Requested within 90 days of March 9, 1989 and by April 1 of each year thereafter:**

**A.1.      Hourly demand for previous calendar year disaggregated by:**

**A.1.a.      Sales to End Users.**

SRP does not maintain hourly load data for sales to end-users. No data has been submitted.

**A.1.b.      Sales for Resale.**

SRP does not maintain a summary of hourly demand for sales for resale. No data has been submitted.

**A.1.c.      Energy losses.**

SRP does not maintain hourly load data for energy losses. Energy losses for 2008 are listed in B.2.g.

**A.1.d.      Other disposition of energy such as energy furnished without charge and energy used by the Utility.**

No data has been submitted. SRP does not maintain hourly load data for energy used by the Utility and SRP does not furnish energy without charge.

One of the covenants included in SRP's Bond Offering Official Statement is:

No Free Service: The District will not furnish or supply power or energy free of charge to any person, firm or corporation, public or private, and will promptly enforce payment of any and all accounts owing to the District by reason of the ownership and operation of the Electric System, to the extent dictated by sound business practice.

**A.3.      Coincident peak demand (megawatts) and energy demand (megawatt hours) by month for the previous 10 calendar years disaggregated by:**

Data for calendar years prior to 2008 was provided in previous submittals. Unless otherwise noted, the data supplied in this submittal is for calendar year only.

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To Help Develop a Statewide Resource Planning Model**

**A.3.a. Customer Class.**

No data has been submitted.

**A.3.b. Nonresidential customers by type of business.**

No data has been submitted.

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**OPEN TO PUBLIC INSPECTION – MARCH 2009 FILING**

**B. Supply Side Data:**

**B.1. For each generating Unit and purchased power contract for the previous calendar year:**

**B.1.a. In-service date.**

Reference Attachment B.1.a. The in-service dates provided in Attachment B.1.a are the same as those provided in previous SRP voluntary statewide data submittals.

**B.1.b. Book life or contract period.**

Book Life, as defined by the ACC is: The expected time period over which a power supply source will be available for use by the Utility. Per this definition, none of SRP's existing resources are planned for retirement.

Contract Period: SRP's major purchased power contracts, Arizona Power Authority (APA), Colorado River Storage Project (CRSP), Parker Davis (P-D), Arizona Electric Power Cooperative (AEPCO), Tucson Electric Power Company (TEPCO), and Navajo Surplus had the following contract periods during 2008:

APA: June 1, 1987 through September 30, 2017.

CRSP: October 1, 1989 through September 30, 2024.

P-D: March 1988 through September 30, 2008.

AEPCO: June 1, 1990 through December 31, 2010.

TEPCO: June 1, 1990 through May 31, 2011.

NAVAJO SURPLUS: (150 MW and 200 MW Contracts): May 1, 1993 through September 30, 2011.

NAVAJO SURPLUS: (CAWCD Contract): June 1, 1994 through September 30, 2011.

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COUNTERPARTY A\*: (25 MW) Sept 2006 – Dec 2009

COUNTERPARTY B\*: (25 MW) July-Sept, 2006-2009  
(25 MW) July-Sept, 2006-2009  
(50 MW) July-Sept, 2006-2009

COUNTERPARTY C\*: (25 MW) July-Sept, 2004-2008  
(25 MW) July-Sept, 2004-2008

COUNTERPARTY D\*: (25 MW) Jan-Dec, 2005-2008

COUNTERPARTY E\*: (25 MW) Oct 2006 – Dec 2009

COUNTERPARTY F\*: (10 MW) June 2008 - Dec 22027

COUNTERPARTY G\*: (100 MW) Sept 1, 2006 – Sept 30, 2036

\* Counterparty names are withheld due to confidentiality provisions in the contracts

**B.1.c. Capacity in megawatts. (SRP share only)**

Reference Attachment B.1.c. Attachment B.1.c. contains a summary of SRP generating unit characteristics. The 'summer' period referenced in this Attachment is defined as the period of May 1 through October 31. The 'winter' period refers to all other months.

**B.1.d. Maximum unit or contract Capacity by hour, day, or month if such Capacity varies over the year.**

No data has been submitted.

**B.1.e. Forced outage rate of generating units.**

No data has been submitted.

**B.1.f. Average heat rate of generating Units and, if available, heat rates at selected output levels.**

No data has been submitted.

**SRP's Voluntary Submittal in Response to the  
Arizona Corporation Commission's Request for Data  
To Help Develop a Statewide Resource Planning Model**

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S:\\Regulatory Submittals\\ACC\\ACC2008\\Historical Data Submittal\\Notebook Public Inspection Copy (PIC)\\B1-B5\_PIC2008.docx

**SRP's Voluntary Submittal in Response to the  
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**B.1.g. Fuel cost for generating Units in dollars per million Btu for each type of fuel.**

Reference Attachment B.1.g. Fuel costs for SRP generating units are summarized in Attachment B.1.g. The fuel costs depicted reflect the costs attributed to the purchase of fuel only and do not include costs attributed to fuel handling.

**B.1.h. Other variable Operating and Maintenance costs for generating Units in dollars per megawatt hour.**

No data has been submitted.

**B.1.i. Purchased power energy costs for contract purchases in dollars per megawatt hour.**

The following energy rates were in effect during the 2008 calendar year for SRP's major purchased power contracts:

APA:	\$15.79/MWh, January through September \$16.09/MWh, October through December
CRSP:	\$ 10.43/MWh, January through September \$ 11.06/MWh, October through December
P-D:	\$ 4.76/MWh, January through December
AEPCO:	\$19.88/MWh, January through April \$20.08/MWh, May through August \$23.46/MWh, September through December
TEPCO:	\$22.41/MWh, January through April \$27.36/MWh, May through August \$23.97/MWh, September through December
NAVAJO SURPLUS (CAWCD Contract):	\$31.25/MWh, January through December

**B.1.j. Fixed Operating and Maintenance costs of generating Units in dollars per megawatt for the year.**

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Arizona Corporation Commission's Request for Data  
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Actual fixed O&M costs are not readily available. For accounting purposes, SRP tracks total O&M only.

**B.1.k. Demand charges for purchased power.**

The following demand charges were in effect during the 2007 calendar year for SRP's major purchased power contracts:

APA:	\$2.46/kW-Month, January through September \$2.37/kW-Month, October through December
CRSP:	\$4.43/kW-Month, January through September \$4.70/kW-Month, October through December
P-D:	\$1.74/kW-Month, January through December
AEPCO:	\$15.95/kW-Month, January through December
TEPCO:	\$18.51/kW-Month, January through December
NAVAJO SURPLUS (150 MW and 200 MW Contracts):	\$6.00/kW-Month, January through December
NAVAJO SURPLUS (CAWCD Contract):	\$4.67/kW-Month, January through December

Please note: the CRSP demand charge is applied to the maximum seasonal schedule regardless of the actual monthly demand. The CRSP summer season is April through September and the CRSP winter season is October through March. All other purchased power demand charges can be applied to the actual monthly demands incurred.



**SRP's Voluntary Submittal in Response to the  
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**B.1.l. Fuel type(s) for generating units.**

Reference Attachment B.1.l. The fuel type data provided in Attachment B.1.l is the same as the data provided in previous SRP voluntary statewide data submittals.

**B.1.m. Minimum capacity at which the unit would be run or power must be purchased.**

No data has been submitted.

**B.1.n. Whether, under standard operating procedures, the generating Unit must be run if it is available to run.**

Reference Attachment B.1.c. SRP's must run units are identified on Attachment B.1.c.

**B.1.o. Maintenance Schedules for SRP generating Units.**

Reference Attachment B.1.o.#1 The maintenance dates for SRP participation generating units during calendar year 2008 are identified on Attachment B.1.o.

The maintenance dates for SRP wholly owned generating units during calendar year 2008 are also identified on Attachment B.1.o.#1.

**B.1.p. Other data related to generation Units and purchased power contracts, which the utility uses in its production, planning and supply models.**

Reference Attachment B.1.p. contains the "Monthly Power Plant Report" for calendar year 2008. In calendar year 2007, the "Monthly Power Plant Report" report filed by SRP in the EIA-906 was discontinued.

**B.2. For the power supply system for the previous calendar year a description of:**

**B.2.a. Unit commitment procedures.**

SRP's unit commitment procedures incorporate the following items, all of which influence the choice of generating units for operation.

- Almost all coal units are considered must run units
- Minimum up and down times for gas/oil-fired units
- Relative fuel prices and fuel supplies

**SRP's Voluntary Submittal in Response to the  
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- Need for system regulation and voltage control
- Spinning reserve requirements
- Unit heat rates and incremental O&M rates
- Availability of firm purchases
- Firm commitments to others

**B.2.b. Production Cost.**

SRP Production Costs for the 2008 calendar year were \$1,418,056,720. This value includes fuel, purchased power, interchange energy and railcar lease payments, but does not include plant O&M, fuel handling, transmission expenses or cost of falling water.

**B.2.c. Reserve Requirements.**

During 2008 SRP targeted an Installed Reserve margin of 12%.

**B.2.d. Spinning Reserve.**

During 2008 SRP utilized a Spinning Reserve Target of 154 MW unloaded generation plus interruptible and 154 MW of loaded.

**B.2.e. Reliability of generating, transmission, and distribution systems.**

No data has been submitted.

**B.2.f. Interchange purchase and sale prices.**

During the 2008 calendar year, non-firm sales totaled 39,815,000 kWh while non-firm purchases totaled 20,630,000 kWh. Prices associated with interchange purchases and sales are considered proprietary information, therefore, will not be provided.

**B.2.g. Energy losses.**

Actual system energy losses for the 2008 calendar year totaled 1,338,371 MWh.

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**B.3. The level of Cogeneration and other forms of Self Generation in the Utility's service area for the previous calendar year.**

In calendar year 2008, there were 7,829 kW of cogeneration and other forms of self-generation in the SRP Service Territory.

**B.4. As available, a description and map of the Utility's transmission system, including the Capacity of each segment of the transmission system.**

SRP has three voltage levels of transmission: 115kV, 230kV and 500kV.

The purpose of the 115kV system is to transmit hydro generated power to the Phoenix metropolitan area and to deliver power to APS and large SRP mining customers in the Superior - Globe - Winkelman area. Power delivered to APS is for resale to retail customers. A map of the 115kV system is provided as Attachment B.4 #3.

The SRP 230kV system is part of an overall network of SRP, APS and Western 230kV transmission lines that encompasses the Phoenix metropolitan area. The purpose of SRP's 230kV system is to transmit bulk power from Extra High Voltage stations to subtransmission stations around the Phoenix metropolitan area and to transmit power from local generating resources and from the hydro generating resources to the SRP load centers. Extra High Voltage (EHV) systems are typically defined as systems with voltage levels equal to or greater than 345kV. A map of the 230kV system is provided as Attachment B.4 #2.

The purpose of the EHV system, including SRP's 500kV system, is to deliver bulk power generated at remote locations to the SRP load centers in the Phoenix metropolitan area and the 115kV system, provide mutual emergency assistance between neighboring systems when required, allow for sales and purchases of excess power and energy when it is economical or necessary, and wheel power and energy for others. A map of the 500kV system is provided as Attachment B.4 #1 and a map of the eastern mining area system is provided as Attachment B.4 #3.

SRP is a willing participant in several forums wherein SRP shares plans for the 115kV, 230kV, and 500 kV systems with other utilities, providing opportunities to other interested parties to participate in the studies or projects.

SRP is a member of the Southwest Open Access Same-Time Information System (SWOASIS) and has path Available Transfer Capability for commercial paths posted on

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the board. This information is readily available to any interested party through connection to the World Wide Web.

The capacity of each segment of the transmission system is provided as Attachment B.4 #4.

**B.5. New information requested to supplement previous submittals.**

**B.5.a. Short-term firm purchases maximum hourly demand (MW) by month for the previous calendar year and short-term firm purchases total energy (MWh) for the previous calendar year.**

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No data has been submitted.

**B.5.b. Unit Performance Data**

No data has been submitted.

**B.5.c. Forward Looking Maintenance Schedule**

No data has been submitted.

**B.5.d. Renewable Resource Database**

Reference Attachment B.5.d. Attachment B.5.d contains a summary of SRP's existing renewable resources.

**B.5.e. Qualifying Facilities**

SRP evaluates QF proposals on a case-by-case basis. To provide a general feel for the type of rates SRP might offer a QF, a copy of the standard buyback rate that SRP currently offers its customers is provided as Attachment B.5.e. SRP revises this rate periodically. The Current Buyback Service Rider became effective May 1, 2008. The capacity and energy components in the current rate are based on market prices.

**NON-CONFIDENTIAL**

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**ATTACHMENTS**

**IN-SERVICE DATES**

**STEAM PLANTS**

Kyrene

Unit #1	July 1, 1952
Unit #2	June 15, 1954

Agua Fria

Unit #1	January 1, 1958
Unit #2	April 1, 1957
Unit #3	April 1, 1961

**GAS TURBINE PLANTS**

Kyrene

Unit #4	December 21, 1971
Unit #5	July 4, 1973
Unit #6	June 23, 1973
Unit #7	November 12, 2002

Agua Fria

Unit #4	May 1, 1975
Unit #5	July 2, 1974
Unit #6	July 25, 1974

**COMBINED CYCLE PLANT**

Santan<sup>1</sup>

Unit #1	October 16, 1974
Unit #2	December 31, 1974
Unit #3	October 17, 1974
Unit #4	May 8, 1975
Unit #5	March 31, 2005
Unit #6	March 1, 2006

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<sup>1</sup> Plant gas conversion completed on April 16, 1982. First gas burned on April 29, 1982.

Desert Basin  
Unit 1

October 16, 2003

**HYRDO PLANTS**

Roosevelt

Original Unit Commercial  
Unit #1

1907  
March 22, 1973

Horse Mesa

Unit #1 Original Unit Commercial  
Unit #2 Original Unit Commercial  
Unit #3 Original Unit Commercial

1927  
1927  
1927

Unit #1 Converted to 60 Hz  
Unit #2 Converted to 60 Hz  
Unit #3 Converted to 60 Hz  
Unit #4

March 25, 1972  
April 5, 1972  
April 11, 1972  
June 27, 1972

Mormon Flat

Unit #1 Original Unit Commercial  
Unit #1 Converted to 60 Hz  
Unit #2

1926  
February 27, 1971  
June 1, 1971

Stewart Mountain

Unit #1 Original Unit Commercial  
Unit #1 Converted to 60 Hz

1930  
March 1963

Crosscut

Canal Unit

1939

South Consolidated

Canal Unit

September 1, 1981

Arizona Falls

Canal Unit

November 1, 2003

**STEAM PLANTS (PARTICIPATION)**

Four Corners Project

Unit #4	July 1, 1969
Unit #5	July 1, 1970

Mohave Project<sup>2</sup>

Unit #1	April 1, 1971
Unit #2	October 1, 1971

Navajo Project

Unit #1	May 31, 1974
Unit #2	April 1, 1975
Unit #3	April 30, 1976

Hayden

Unit #2	September 1, 1976 <sup>3</sup>
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Coronado Project<sup>4</sup>

Unit #1	December 31, 1979
Unit #2	October 31, 1980

Craig

Unit #1	January 1, 1981 <sup>5</sup>
Unit #2	December 31, 1979 <sup>6</sup>

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<sup>2</sup> SRP's share increased from 10% to 20% effective October 1, 2001. Mohave Generating Station ceased operations on December 31, 2005, pending installation of new environmental controls and resolution of other operating issues.

<sup>3</sup> SRP Entitlement Share decreased from 80% to 50% effective January 1, 1982.

<sup>4</sup> SRP recaptured 100% of Coronado on January 30, 1986.

<sup>5</sup> Colorado-Ute considers August 12, 1980, as the date of commercial operation; Platte River Power Authority, September 12, 1980; and Tri-State, December 1, 1980.

<sup>6</sup> Colorado-Ute and Tri-State consider November 19, 1979, as the date of commercial operation; Platte River Power Authority considers December 12, 1979, as date of commercial operation.



Palo Verde

Unit #1

January 30, 1986

Unit #2

September 20, 1986

Unit #3

January 31, 1988

**SRP GENERATING UNIT CHARACTERISTICS  
(CALENDAR YEAR 2008)**

	NET CAP (MW)		Must Run
	Summer	Winter	
Agua Fria 1	113	114	No
Agua Fria 2	113	114	No
Agua Fria 3	181	184	No
Agua Fria 4	73	87	No
Agua Fria 5	73	82	No
Agua Fria 6	73	82	No
Kyrene 1	34	34	No
Kyrene 2	72	72	No
Kyrene 4	59	63	No
Kyrene 5	53	62	No
Kyrene 6	53	62	No
Kyrene 7	250	250	No
Santan 1	92	103	No
Santan 2	92	103	No
Santan 3	92	103	No
Santan 4	92	103	No
Santan 5	582	626	No
Santan 6	277	301	No
Desert Basin	577	600	No
Roosevelt	36	36	No
Horse Mesa 1	10	10	No
Horse Mesa 2	10	10	No
Horse Mesa 3	10	10	No
Horse Mesa 4	119	119	No
Mormon Flat 1	11	11	No
Mormon Flat 2	57	57	No
Stewart Mtn	13	0	No
Crosscut Hydro	3	0	No
South Con Hydro	1	0	No
Arizona Falls	0.7	0.7	No
Coronado 1	389	389	Yes
Coronado 2	384	384	Yes
Craig 1	124	124	Yes
Craig 2	124	124	Yes
Four Corners 4	75	75	Yes
Four Corners 5	75	75	Yes
Hayden 2	131	131	Yes
Mohave 1	0	0	No
Mohave 2	0	0	No
Navajo 1	163	163	Yes
Navajo 2	163	163	Yes
Navajo 3	163	163	Yes
Palo Verde 1	229	233	Yes
Palo Verde 2	229	233	Yes
Palo Verde 3	214	216	Yes
Fuel Cells	0.25	0.25	No
Photo Voltaics	0.8	0.8	No
Tri-Cities 1	0.8	0.8	No
Tri-Cities 2	0.8	0.8	No
Tri-Cities 3	0.8	0.8	No
Tri-Cities 4	0.8	0.8	No
Tri-Cities 5	0.8	0.8	No

## SRP GENERATING UNIT CHARACTERISTICS

(Calendar Year 2008)

UNIT	Fuel Costs (\$/MMBTU)			
	GAS	OIL	COAL	NUCLEAR
AGUA FRIA #1	\$9.82 1/	N/A	N/A	N/A
AGUA FRIA #2	\$9.71 1/	N/A	N/A	N/A
AGUA FRIA #3	\$8.86 1/	N/A	N/A	N/A
AGUA FRIA #4	\$9.38 1/	N/A	N/A	N/A
AGUA FRIA #5	\$9.25 1/	N/A	N/A	N/A
AGUA FRIA #6	\$9.35 1/	N/A	N/A	N/A
KYRENE #1	N/A	N/A	N/A	N/A
KYRENE #2	N/A	N/A	N/A	N/A
KYRENE #4	\$7.99 1/	N/A	N/A	N/A
KYRENE #5	\$9.33 1/	N/A	N/A	N/A
KYRENE #6	\$8.45 1/	N/A	N/A	N/A
KYRENE #7	\$8.32 1/	N/A	N/A	N/A
SANTAN #1	\$8.22 1/	N/A	N/A	N/A
SANTAN #2	\$8.08 1/	N/A	N/A	N/A
SANTAN #3	\$8.24 1/	N/A	N/A	N/A
SANTAN #4	\$8.34 1/	N/A	N/A	N/A
SANTAN #5	\$7.79 1/	N/A	N/A	N/A
SANTAN #6	\$7.98 1/	N/A	N/A	N/A
DESERT BASIN 1 & 2	\$8.43 1/	N/A	N/A	N/A
ROOSEVELT	N/A	N/A	N/A	N/A
HORSE MESA 1	N/A	N/A	N/A	N/A
HORSE MESA 2	N/A	N/A	N/A	N/A
HORSE MESA 3	N/A	N/A	N/A	N/A
HORSE MESA 4	N/A	N/A	N/A	N/A
MORMON FLAT 1	N/A	N/A	N/A	N/A
MORMON FLAT 2	N/A	N/A	N/A	N/A
STEWART MOUNTAIN	N/A	N/A	N/A	N/A
CROSSCUT HYDRO	N/A	N/A	N/A	N/A
SOUTH CON HYDRO	N/A	N/A	N/A	N/A
CRAIG 1	\$7.82	N/A	\$1.53	N/A
CRAIG 2	\$7.82	N/A	\$1.53	N/A
CORONADO 1	N/A	\$7.12	\$1.76	N/A
CORONADO 2	N/A	\$7.12	\$1.76	N/A
FOUR CORNERS 4 2/	N/A	N/A	N/A	N/A
FOUR CORNERS 5 2/	N/A	N/A	N/A	N/A
HAYDEN 2	N/A	\$28.25	\$1.61	N/A
MOHAVE 1	N/A	N/A	N/A	N/A
MOHAVE 2	N/A	N/A	N/A	N/A
NAVAJO 1	N/A	\$20.84	\$1.67	N/A
NAVAJO 2	N/A	\$20.84	\$1.67	N/A
NAVAJO 3	N/A	\$20.84	\$1.67	N/A
PALO VERDE 1 2/	N/A	N/A	N/A	N/A
PALO VERDE 2 2/	N/A	N/A	N/A	N/A
PALO VERDE 3 2/	N/A	N/A	N/A	N/A

1/ Gas prices do not include fixed transportation costs of \$40,000,183 during Calendar Year 2008.

2/ APS will report figures for Four Corners and Palo Verde.

3/ Oil burned at Agua Fria was insignificant.

\*\*\*\*Dollars may represent fuel purchased and expensed but not yet burned.

**Unit Fuel Types**

<b>Generating Unit</b>	<b>Fuel</b>
Agua Fria 1-3	Natural Gas or Diesel (2)
Agua Fria 4-6	Natural Gas or Diesel (2)
Kyrene 1-2	Natural Gas or Diesel (2)
Kyrene 4-7	Natural Gas or Diesel (2)
Santan 1-6	Natural Gas
Desert Basin	Natural Gas
Four Corners 4, 5	Coal
Navajo 1-3	Coal
Hayden 2	Coal
Craig 1,2	Coal
Coronado 1,2	Coal
Palo Verde 1-3	Nuclear
Roosevelt	Hydro
Horse Mesa 1-4	Hydro
Mormon Flat 1-2	Hydro
Stewart Mountain	Hydro
Cross Cut	Hydro
South Consolidated	Hydro
Arizona Falls	Hydro

**SRP GENERATING UNIT MAINTENANCE SCHEDULE  
(CALENDAR YEAR 2008)**

See Attachment B.5.b, Unit Performance Data  
for the following units' 2008  
planned outages (PO entries on schedule):

Agua Fria  
Kyrene  
Santan  
Roosevelt  
Horse Mesa  
Mormon Flat  
Stewart Mtn  
Coronado  
Navajo

**Participation Plants**

	Start Date	End Date
Craig 1	April 11, 2008	April 28, 2008
Craig 2		
Four Corners 4		
Four Corners 5	February 19, 2008	May 20, 2008
Hayden 2	April 4, 2008	May 12, 2008
Mohave 1	January 1, 2008	December 31, 2008
Mohave 2	January 1, 2008	December 31, 2008
Palo Verde 1	October 4, 2008	November 19, 2008
Palo Verde 2	March 29, 2008	May 19, 2008
Palo Verde 3	January 1, 2008	January 19, 2008

## Monthly Power Plant Report

Jan 2008	GRS GENERATION	NET	GAS MCF CONSUMED	MMBTU PER CONSUMED	COAL TONS CONSUMED	PS-WAT CONSUMED	OIL BBL CONSUMED	MMBTU PER	ENDING STOCK
AF1	0	(124)	96				0		
AF2	817	376	10,813				0		
AF3	4,656	3,821	49,977				0		
AFSTM	5,473	4,073	60,886	1.022			0		
AF4	0	(37)	0				0		
AF5	174	149	3,274				4		
AF6	0	(37)	0				0		
AFGT	174	75	3,274	1.021			4		
AF	5,647	4,148	64,160				4	5.75	138,218 *9948 bbls transferred to CO 6177
SV3	21	21							
CO1	265,859	236,913			143,966		2,159	5.87	
CO2	274,472	246,062			148,955		1,053	5.87	13,401-O *9948 received from AF 141
CO	540,331	482,975		17.7	292,921		3,212		384,585-C
DB GT1	48,320	46,355	541,350						
DB GT2	39,447	37,295	428,308						
DB GT	87,767	83,650	969,658	1.025					
DB STM	52,085	52,085	37,679	1.025					
DB			1,007,337						
HM123	608	545							
HM4	4,305	3,728				292			
KY1	0	0	0				0		
KY2	0	(67)	0				0		
KY STM									
KY4	0	(82)	0				0		
KY5	246	215	3,556				0		
KY6	224	195	3,190				0		
KY GT	470	328	6,746						
KY7 GT	50,201	49,957	572,797	1.021					
KY7 STM	26,496	26,331	6,275	1.022					
KY			585,818				0		6030-O
MF1	0	(10)							
MF2	66	14				0			
NA1	578,391	537,459			244,909		16		
NA2	555,939	516,119			239,586		1066		
NA3	524,375	488,389			222,972		1257		20,637-O
NA	1,658,705	1,541,967		21.6	707,467		2339	5.77	848,235-C
ST1	0	(204)	32						
ST2	1,377	1,094	14,297						
ST3	8,990	8,378	82,447						
ST4	6,566	6,088	59,240						
CS	16,933	15,356	156,016						
ST5 STM	119,249	116,943	152,150						
ST5 DB1			78,024						
ST5 DB2			74,126						
ST5 DB			152,150						
ST6 STM	51,026	49,104	58,159						
ST5 GT1	89,761	89,761	939,377						
ST5 GT2	98,579	95,010	1,036,682						
ST5 GT	188,340	184,771	1,976,059						
ST6 GT	84,476	83,390	883,035						
CT	272,816	268,161	2,859,094						
ST5	307,589	301,714	2,128,209						
ST6	135,502	132,494	941,194						
ST			3,225,419	1.027					

## Monthly Power Plant Report

Feb 2008	35 GENERATION	NET	GAS MCF CONSUMED	MMBTU PER	COAL TONS CONSUMED	PS-WAT CONSUMED	OIL BBL CONSUMED	MMBTU PER	ENDING STOCK
AF1	1,058	658	11,720						
AF2	0	(136)	21						
AF3	0	(266)	0						
AFSTM	1,058	256	11,741	1.017					
AF4	102	68	1,759						
AF5	0	(33)	0						
AF6	161	128	2,349						
AFGT	263	163	4,108	1.018					
AF	1,321	419	15,849				0		138,218
SV3	24	24							
CO1	266,168	237,457			142,724		749		
CO2	294,292	264,375			157,603		198		13,518-O *64 bbls used oil
CO	560,460	501,832		17.9	300,327		947	5.87	430,147-C
DB GT1	43,920	42,241	465,495						
DB GT2	39,045	36,839	415,421						
DB GT	82,965	79,080	880,916	1.025					
DB STM	47,278	47,278	15,850	1.025					
DB DB1			8,142						
DB DB2			7,707						
DB PLT	130,243	126,358	896,766						
HM123	487	430				10,583			
HM4	6,293	(4,677)							
KY1	0	0	0						
KY2	0	(70)	0						
KY STM	0	(70)	0						
KY4	67	(3)	1,235						
KY5	0	(32)	0						
KY6	0	(31)	0						
KY GT	67	(66)	1,235						
KY7 GT	58,191	57,048	627,794	1.019					
KY7 STM	28,255	27,491	3,169	1.021					
KY7	86,446	84,539	630,963						
KY PLT	86,513	84,403	632,198				0		6030-O
MF1	13	5							
MF2	200	84				82			
NA1	39,333	32,063			17397		4029		
NA2	494,783	460,113			205677		1678		
NA3	551,741	514,793			235740		27		22,546-O
NA	1,085,857	1,006,969		21.65	458814		5734	5.77	820,940-C
ST1	0	(276)	0						
ST2	119	(168)	1,463						
ST3	191	(111)	2,293						
ST4	232	(93)	3,169						
CS	542	(648)	6,925						
ST5 STM	81,628	79,264	63,441						
ST5 DB1			29,910						
ST5 DB2			33,531						
ST5 DB			63,441						
ST6 STM	40,009	38,774	24,811						
ST5 GT1	61,579	61,579	644,020						
ST5 GT2	77,690	74,793	815,802						
ST5 GT	139,269	136,372	1,459,822						
ST6 GT	70,265	68,702	728,488						
CT	209,534	205,074	2,188,310						
ST5	220,897	215,636	1,523,263						
ST6	110,274	107,476	753,299						
ST PLT	331,713	322,464	2,283,487	1.025			0		

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Mar 2008	GRS GENERATION	NET	GAS MCF CONSUMED	MMBTU PER CONSUMED	COAL TONS CONSUMED	CONSUMED PS-WAT	OIL BBL CONSUMED	MMBTU PER	ENDING STOCK
AF1	0	(195)	0						
AF2	279	(116)	3,905						
AF3	0	(198)	111						
AFSTM	279	(509)	4,016	1.018					
AF4	72	55	1,364						
AF5	0	(38)	0						
AF6	27	(11)	642						
AFGT	99	6	2,006	1.017					
AF	378	(503)	6,022				0		138,218
SV3	41	41							
CO1	317,773	285,475			166,671		55		11,457-O
CO2	306,329	275,176			163,358		1100	5.87	390,852-C
CO	624,102	560,651		17.7	330,029		1155		
DB GT1	10,322	9,595	111,790						
DB GT2	15,006	14,013	167,308						
DB GT	25,328	23,608	279,098						
DB STM	13,984	13,984	3,580						
DB DB1			1,263						
DB DB2			2,316						
DB PLT	39,312	37,592	282,678	1.026					
HM123	1,606	1,542				4,569			
HM4	3,302	(1,687)							
KY1	0	0	0						
KY2	0	(73)	0						
KY STM	0	(73)	0						
KY4	0	(54)	0						
KY5	60	27	823						
KY6	58	27	913						
KY GT	118	0	1,736	1.022					
KY7 GT	29,125	28,322	330,043	1.018					
KY7 STM	14,187	13,652	747						
KY7	43,312	41,974	330,790				0		6,030
KY PLT	43,430	41,901	332,526						
MF1	234	226				2,360			
MF2	2,279	(258)							
NA1	575,609	536,666							
NA2	583,074	542,446							
NA3	583,022	545,056							
NA	1,741,705	1,624,168		21.65	763,271		501	5.75	22,406-O 811,270-C
ST1	0	(288)	0						
ST2	0	(288)	0						
ST3	850	514	7,942						
ST4	0	(288)	0						
CS	850	(350)	7,942						
ST5 STM	95,003	91,134	78,785						
ST5 DB1			39,796						
ST5 DB2			38,989						
ST5 DB			78,785						
ST6 STM	33,682	31,774	17,455						
ST5 GT1	74,993	74,993	795,441						
ST5 GT2	81,174	79,092	861,627						
ST5 GT	156,167	154,085	1,657,068						
ST6 GT	57,886	56,914	626,060						
CT	214,053	210,999	2,283,128						
ST5	251,170	245,219	1,735,853						
ST6	91,568	88,688	643,515						
ST PLT	343,588	333,557	2,387,310	1.027			0		



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Apr 2008	JRS GENERATION	NET	GAS MCF CONSUMED	MMBTU PER CONSUMED	COAL TONS CONSUMED	CONSUMED PS-WAT	OIL BBL CONSUMED	MMBTU PER	ENDING STOCK
AF1	0	(199)	0						
AF2	0	(204)	0						
AF3	1,793	1,244	17,630						
AESTM	1,793	841	17,630	1.018			0		
AF4	66	50	627				5		
AF5	628	591	9,372				1		
AF6	1,178	1,141	16,595				0		
AFGT	1,872	1,782	26,594	1.014			6		
AF	3,665	2,623	44,224				6	5.75	138,212
SV3	32	32							
CO1	305,683	275,082			164,075		9		
CO2	307,925	276,884			163,080		696		10,752-O
CO	613,608	551,966		17.84	327,155		705	5.87	445,160-C
DB GT1	44,186	42,269	503,071						
DB GT2	47,095	44,806	502,136						
DB GT	91,281	87,075	1,005,207						
DB STM	51,899	51,899	39,205						
DB DB1			19,771						
DB DB2			19,434						
DB PLT	143,180	138,974	1,044,412	1.024					
HM123	3,423	3,362				6,765			
HM4	16,186	6,765							
KY1	0	0	0						
KY2	0	(73)	0						
KY STM	0	(73)	0						
KY4	102	36	1,626						
KY5	93	63	1,282						
KY6	0	(27)	0						
KY GT	195	72	2,908						
KY7 GT	78,108	76,623	853,190	1.018					
KY7 STM	38,898	37,909	5,967	1.016					
KY7	117,006	114,532	859,157						
KY PLT	117,201	114,531	862,065				0		6,030
MF1	1,003	993				3,685			
MF2	8,647	4,784							
NA1	572,708	533,781							
NA2	573,045	533,961							
NA3	500,197	464,631							
NA	1,645,950	1,532,373		21.64	71,6593.00	115.00	5.75	22,291-O 794,981-C	
ST1	6,401	6,032	60,029						
ST2	8,773	8,332	75,868						
ST3	8,838	8,390	76,342						
ST4	14,508	13,859	124,331						
CS	38,520	36,613	336,570						
ST5 STM	93	(244)	0	0.000					
ST5 DB1			0						
ST5 DB2			0						
ST5 DB			0						
ST6 STM	57,700	55,379	51,191						
ST5 GT1	0	(1)	0						
ST5 GT2	86	(191)	0						
ST5 GT	86	(192)	0						
ST6 GT	95,038	93,863	993,972						
CT	95,124	93,671	993,972						
ST5	179	(436)	0						
ST6	152,738	149,242	1,045,163						
ST PLT	191,437	185,419	1,381,733	1.027			0		

May 2008	GRS GENERATION	NET	Monthly Power Plant Report					OIL BBL CONSUMED	MMBTU PER	ENDING STOCK
			GAS MCF CONSUMED	MMBTU PER	COAL TONS CONSUMED	CONSUMED PS-WAT	CONSUMED			
AF1	5,035	4,316	51,191							
AF2	4,239	3,557	43,460							
AF3	10,959	9,962	107,625							
AFSTM	20,233	17,835	202,276	1.016						
AF4	755	717	10,260							
AF5	660	622	9,049							
AF6	876	836	11,864							
AFGT	2,291	2,175	31,173	1.015						
AF	22,524	20,010	233,449					0		138,212
SV3	39	39								
CO1	231,388	206,688			122,807					
CO2	276,622	247,680			147,527					
CO	508,010	454,368			270,334			4.773	5.87	5,998-O *19bbbls sounding revision 456,505-C
DB GT1	55,706	53,378	591,955							
DB GT2	35,919	34,101	385,668							
DB GT	91,625	87,479	977,623							
DB STM	51,936	51,936	18,580							
DB DB1			15,613							
DB DB2			2,966							
DB PLT	143,561	139,415	996,203	1.026						
HM123	2,345	2,260				14,108				
HM4	18,741	4,450								
KY1	0	0	0							
KY2	0	(66)	0							
KY STM	0	(66)	0							
KY4	0	(61)	0							
KY5	186	156	2,507							
KY6	274	246	3,612							
KY GT	460	341	6,119							
KY7 GT	53,490	52,327	565,863	1.025						
KY7 STM	26,204	25,425	3,745							
KY7	79,694	77,752	569,608	1.019						
KY PLT	80,154	78,027	575,727					0		6,030
MF1	890	881								
MF2	9,617	2,045				7,417				
NA1	584,683	542,004								
NA2	579,381	541,164								
NA3	533,936	499,774								
NA	1,698,000	1,582,942						1421	5.75	20,870-O 794474-C
ST1	9,400	8,968	82,799							
ST2	6,542	6,142	58,017							
ST3	9,131	8,674	79,694							
ST4	11,143	10,599	92,763							
CS	36,216	34,383	313,273							
ST5 STM	61,619	58,804	59,967							
ST5 DB1			19,925							
ST5 DB2			40,043							
ST5 DB			59,968							
ST6 STM	44,733	43,400	40,237							

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Attachment: B.1.p.

ST5 GT1	29,035	29,035	316,083	
ST5 GT2	70,922	68,676	757,775	
ST5 GT	99,957	97,711	1,073,858	
ST6 GT	72,914	71,215	758,118	
CT	172,871	168,926	1,831,976	
ST5	161,576	156,515	1,133,826	
ST6	117,647	114,615	798,355	
ST PLT	315,439	305,513	2,245,454	1.028
				0

## Monthly Power Plant Report

Jun 2008	GRS GENERATION	NET	GAS MCF CONSUMED	MMBTU PER CONSUMED	COAL TONS CONSUMED	CONSUMED PS-WAT	OIL,BBL CONSUMED	MMBTU PER	ENDING STOCK
AF1	7,271	6,456	74,704						
AF2	6,426	5,566	66,246						
AF3	16,696	15,483	165,422						
AFSTM	30,393	27,507	306,372	1.019					
AF4	1,050	1,009	15,353						
AF5	644	602	9,459						
AF6	961	919	14,429						
AFGT	2,655	2,530	39,241	1.020					
AF	33,048	30,037	345,613				0		138,212
SV3	39	39							
CO1	294,926	263,361			155,571		436		
CO2	304,222	272,918			160,516		1188		4,374-O
CO	599,148	536,279		17.5	316,087		1624	5.87	427,266-C
DB GT1	52,236	49,855	574,552						
DB GT2	49,251	47,112	529,939						
DB GT	101,487	96,967	1,104,491						
DB STM	64,401	64,401	69,191						
DB DB1			34,268						
DB DB2			34,923						
DB PLT	165,888	161,368	1,173,682	1.032					
HM123	3,593	3,503				17,618			
HM4	17,292	(414)							
KY1	0	(1)	0						
KY2	0	(78)	0						
KY STM	0	(79)	0						
KY4	146	100	2,458						
KY5	289	262	4,082						
KY6	157	133	2,112						
KY GT	592	495	8,652						
KY7 GT	54,881	53,659	607,036	1.032					
KY7 STM	28,122	27,303	6,511						
KY7	83,003	80,962	613,547	1.023					
KY PLT	83,595	81,378	622,199				0		6,030
MF1	1,265	1,257							
MF2	9,607	(151)				9,615			
NA1	499,860	462,527			215,273		1014		
NA2	561,760	523,477			249,384		975		
NA3	557,584	520,477			241,315		1104		22,760-O
NA	1,619,204	1,506,481		21.6	705,972		3093	5.87	786,802-C
ST1	13,831	13,329	122,657						
ST2	12,724	12,232	109,401						
ST3	15,178	14,597	131,773						
ST4	16,126	15,484	138,184						
CS	57,859	55,642	502,015						
ST5 STM	95,784	93,486	124,664						
ST5 DB1			60,213						
ST5 DB2			64,451						
ST5 DB			124,664						
ST6 STM	45,449	43,804	54,160						

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ST5 GT1	65,928	65,928	713,415
ST5 GT2	75,026	71,376	814,652
ST5 GT	140,954	137,304	1,528,067
ST6 GT	68,399	66,924	745,039
CT	209,353	204,228	2,273,106
ST5	236,738	230,790	1,652,731
ST6	113,848	110,728	799,199
ST PLT	408,445	397,160	2,953,945
			1.032

0

## Monthly Power Plant Report

Jul 2008	GRS GENERATION	NET	GAS MCF CONSUMED	MMBTU PER CONSUMED	COAL TONS CONSUMED	CONSUMED PS-WAT	OIL BBL CONSUMED	MMBTU PER	ENDING STOCK
AF1	7,276	6,030	77,701						
AF2	6,800	5,579	74,926						
AF3	15,908	14,201	163,064						
AFSTM	29,984	25,810	315,691	1.020					
AF4	554	513	8,791						
AF5	466	423	6,823						
AF6	416	373	6,899						
AFGT	1,436	1,309	22,513	1.020					
AF	31,420	27,119	338,204				0		138,212
SV3	35	35							
CO1	312,484	279,317			166,207		9		
CO2	316,740	283,978			167,230		622		3,743-O
CO	629,224	563,295		17.7	333,437		631	5.87	370,314-C
DB GT1	53,342	50,978	587,678						
DB GT2	55,989	53,516	607,101						
DB GT	109,331	104,494	1,194,779						
DB STM	69,562	69,562	71,048						
DB DB1			34,670						
DB DB2			36,378						
DB PLT	178,893	174,056	1,265,827	1.034					
HM123	3,191	3,092				11,999			
HM4	18,395	6,231							
KY1	0	0	0						
KY2	0	(85)	0						
KY STM	0	(85)	0						
KY4	1	(48)	132						
KY5	0	(22)	0						
KY6	0	(11)	0						
KY GT	1	(81)	132						
KY7 GT	62,327	60,960	683,793	1.030					
KY7 STM	31,693	30,779	10,790						
KY7	94,020	91,739	694,583	1.024			0		6,030
KY PLT	94,021	91,573	694,715						
MF1	1,074	1,067							
MF2	9,767	3,571				6,101			
NA1	546,058	506,811			233,312		1,259		
NA2	534,572	496,221			232,377		1,741		
NA3	589,423	550,381			252,326		9		21,885-O
NA	1,670,053	1,553,413		21.8	718,015		3,009	5.78	713,866-C
ST1	15,254	14,703	134,920						
ST2	14,672	14,078	127,380						
ST3	16,786	16,156	145,795						
ST4	18,981	18,279	161,107						
CS	65,693	63,216	569,202						
ST3 STM	99,411	97,126	120,261						
ST3 DB1			61,280						
ST3 DB2			58,980						
ST3 DB			120,260						
ST6 STM	54,699	52,434	55,547						

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ST5 GT1	69,211	69,211	734,490
ST5 GT2	77,429	73,611	825,157
ST5 GT	146,640	142,822	1,559,647
ST6 GT	83,162	81,888	888,213
CT	229,802	224,710	2,447,860
ST5	246,051	239,948	1,679,907
ST6	137,861	134,322	943,760
ST PLT	449,605	437,486	3,192,869
			1.035

0

## Monthly Power Plant Report

Aug 2008	GRS GENERATION	NET	GAS MCF CONSUMED	MMBTU PER CONSUMED	COAL TONS CONSUMED	PS-WAT CONSUMED	OIL BBL CONSUMED	MMBTU PER	ENDING STOCK
AF1	8,415	7,187	88,872						
AF2	7,168	6,052	75,772						
AF3	20,740	18,892	210,048						
AFSTM	36,323	32,131	374,692	1.018					
AF4	651	610	9,860						
AF5	411	371	6,599						
AF6	556	516	8,589						
AFGT	1,618	1,497	25,048	1.018					
AF	37,941	33,628	399,740				0		135,715 *2497 bbls transferred to CGS(6177)
SV3	34	34							
CO1	312,200	278,981			167,791		3		
CO2	316,338	283,454			164,481		1302		4,935-O *2497 bbls transferred from AFS(141)
CO	628,538	562,435		17.7	332,272		1305	5.87	330,159-C
DB GT1	52,695	50,586	580,798						
DB GT2	50,860	48,172	548,742						
DB GT	103,555	98,758	1,129,540						
DB STM	65,587	65,587	65,158						
DB DB1			37,272						
DB DB2			27,886						
DB PLT	169,142	164,345	1,194,698	1.034					
HM123	2,592	2,504				8,410			
HM4	19,540	10,891							
KY1	0	0	0						
KY2	0	(85)	0						
KY STM	0	(85)	0						
KY4	115	67	1,923						
KY5	34	24	798						
KY6	22	15	328						
KY GT	171	106	3,049	1.036					
KY7 GT	54,707	53,424	595,534						
KY7 STM	27,708	26,855	14,038						
KY7	82,415	80,279	609,572	1.023					
KY PLT	82,586	80,300	612,621				0		6,030
MF1	893	885							
MF2	9,993	5,883				3,970			
NA1	547,115	508,785			234,773		675		
NA2	593,027	551,475			257,312		36		
NA3	592,753	553,855			253,787		0		21,174-O
NA	1,732,895	1,614,115		21.8	745,872		711	5.87	644,182-C
ST1	16,512	15,898	147,324						
ST2	13,889	13,316	121,566						
ST3	17,273	16,642	150,433						
ST4	19,856	19,113	170,441						
CS	67,530	64,969	589,764						
ST5 STM	101,410	98,847	136,443						
ST5 DB1			71,685						
ST5 DB2			64,758						
ST5 DB			136,443						
ST6 STM	47,259	45,349	60,407						
ST5 GT1	73,726	73,698	778,164						
ST5 GT2	74,120	70,280	788,385						
ST5 GT	147,846	143,978	1,566,549						
ST6 GT	70,196	68,819	755,451						
CT	218,042	212,797	2,322,000						
ST5	249,256	242,825	1,702,992						
ST6	117,455	114,168	815,858						
ST PLT	434,241	421,962	3,108,614	1.035			0		



## Monthly Power Plant Report

Sep 2008	JRS GENERATION	NET	GAS MCF CONSUMED	MMBTU PER CONSUMED	COAL TONS CONSUMED	CONSUMED PS-WAT	OIL BEL CONSUMED	MMBTU PER	ENDING STOCK
AF1	4,158	3,211	45,938				0		
AF2	1,623	813	19,515				0		
AF3	16,045	14,354	164,698				0		
AFSTM	21,826	18,378	230,151	1.020			0		
AF4	655	617	9,304				5		
AF5	555	516	7,935				7		
AF6	588	549	8,409				3		
AFGT	1,798	1,682	25,648	1.020			15		
AF	23,624	20,060	255,799				15	5.87	132,296
SV3	32	32							
CO1	300,617	269,192			160,037		96		
CO2	305,618	273,955			156,508		369		7,652-O
CO	606,235	543,147		17.7	316,545		465	5.87	334,509-C
DB GT1	53,240	51,116	583,391						
DB GT2	60,634	57,897	652,729						
DB GT	113,874	109,013	1,236,120						
DB STM	74,974	74,974	95,170						
DB DB1			47,284						
DB DB2			47,886						
DB PLT	188,848	183,987	1,331,290	1.036					
HM123	2,452	2,386				8,192			
HM4	17,930	9,567							
KY1	0	0	0						
KY2	0	(70)	0						
KY STM	0	(70)	0						
KY4	130	80	2,568						
KY5	136	109	2,246						
KY6	268	246	3,758						
KY GT	534	435	8,572	1.030					
KY7 GT	57,347	56,065	622,909						
KY7 STM	29,057	28,202	8,854						
KY7	86,404	84,267	631,763	1.025			0		6,030
KY PLT	86,938	84,632	640,335						
MF1	894	886							
MF2	9,807	5,115				4,558			
NA1	573,853	534,614			245,278		58		
NA2	536,126	497,304			232,142		310		
NA3	570,338	533,314			242,548		51		20,755-O
NA	1,680,317	1,565,232		21.8	719,968		419	5.87	648,329-C
ST1	16,155	15,573	142,329						
ST2	15,583	15,038	133,838						
ST3	17,416	16,767	151,472						
ST4	18,886	18,197	161,657						
CS	68,040	65,575	589,296						
ST5 STM	92,386	89,966	131,144						
ST5 DB1			67,644						
ST5 DB2			63,499						
ST5 DB			131,143						
ST6 STM	42,519	40,905	55,275						

Monthly Power Plant Report

ST5 GT1	64,777	64,776	698,555
ST5 GT2	66,847	63,272	717,568
ST5 GT	131,624	128,048	1,416,123
ST6 GT	61,715	60,112	664,258
CT	193,339	188,160	2,080,381
ST5	224,010	218,014	1,547,266
ST6	104,234	101,017	719,533
ST PLT	396,284	384,606	2,856,095
			1,038

0

## Monthly Power Plant Report

Oct 2008	GRS GENERATION	NET	GAS MCF CONSUMED	MMBTU PER	COAL TONS CONSUMED	CONSUMED PS-WAT	OIL BBL CONSUMED	MMBTU PER	ENDING STOCK
AF1	575	315	6,385						
AF2	2,143	1,473	24,237						
AF3	11,964	10,429	124,069						
AFSTM	14,682	12,217	154,691						
AF4	519	482	7,248						
AF5	341	301	4,975						
AF6	499	459	7,077						
AFGT	1,359	1,242	19,300	1.020					
AF	16,041	13,459	173,991				0		132,296
SV3									
CO1	289,374	258,409			154,976		167		
CO2	278,275	248,750			142,765		851		11,103-O
CO	567,649	507,159		17.8	297,741		1018	5.8	328,305-C
DB GT1	25,965	24,874	286,671						
DB GT2	5,629	4,678	62,199						
DB GT	31,594	29,552	348,870						
DB STM	18,758	18,758	14,404						
DB DB1			10,806						
DB DB2			3,598						
DB PLT	50,352	48,310	363,274	1.034					
HM123	0	(54)				0			
HM4	0	(18)							
HM	0	(72)							
KY1	0	0	0						
KY2	0	0	0						
KY STM	0	(58)	0						
KY4	138	76	2,298						
KY5	0	(31)	0						
KY6	2	(22)	81						
KY GT	140	23	2,379	1.036					
KY7 GT	55,203	53,925	608,695						
KY7 STM	27,553	26,697	0						
KY7	82,756	80,622	608,695	1.022					
KY PLT	82,896	80,587	611,074				0		6,030
MF1	257	249							
MF2	1,600	(1,675)				3008			
NA1	517,357	490,289			223,782		839		
NA2	584,797	542,979			252,727		62		
NA3	590,864	552,029			247,196		151		19,703-O
NA	1,693,018	1,585,297		21.7	723,705		1052	5.77	618,491-C
ST1	17,868	17,276	162,080						
ST2	18,383	17,705	163,998						
ST3	17,304	16,709	154,039						
ST4	18,235	17,564	160,497						
CS	71,790	69,254	640,614						
ST5 STM	96,456	93,879	116,258						
ST5 DB1			53,988						
ST5 DB2			62,270						
ST5 DB			116,258						

ST6 STM	55,357	53,790	52,015
ST5 GT1	57,879	57,879	627,077
ST5 GT2	88,325	85,063	952,929
ST5 GT	146,204	142,942	1,580,006
ST6 GT	86,846	85,170	906,246
CT	233,050	228,112	2,486,252
ST5	242,660	236,821	1,696,264
ST6	142,203	138,960	958,261
ST PLT	456,653	445,035	3,295,139
			1.036
			0

## Monthly Power Plant Report

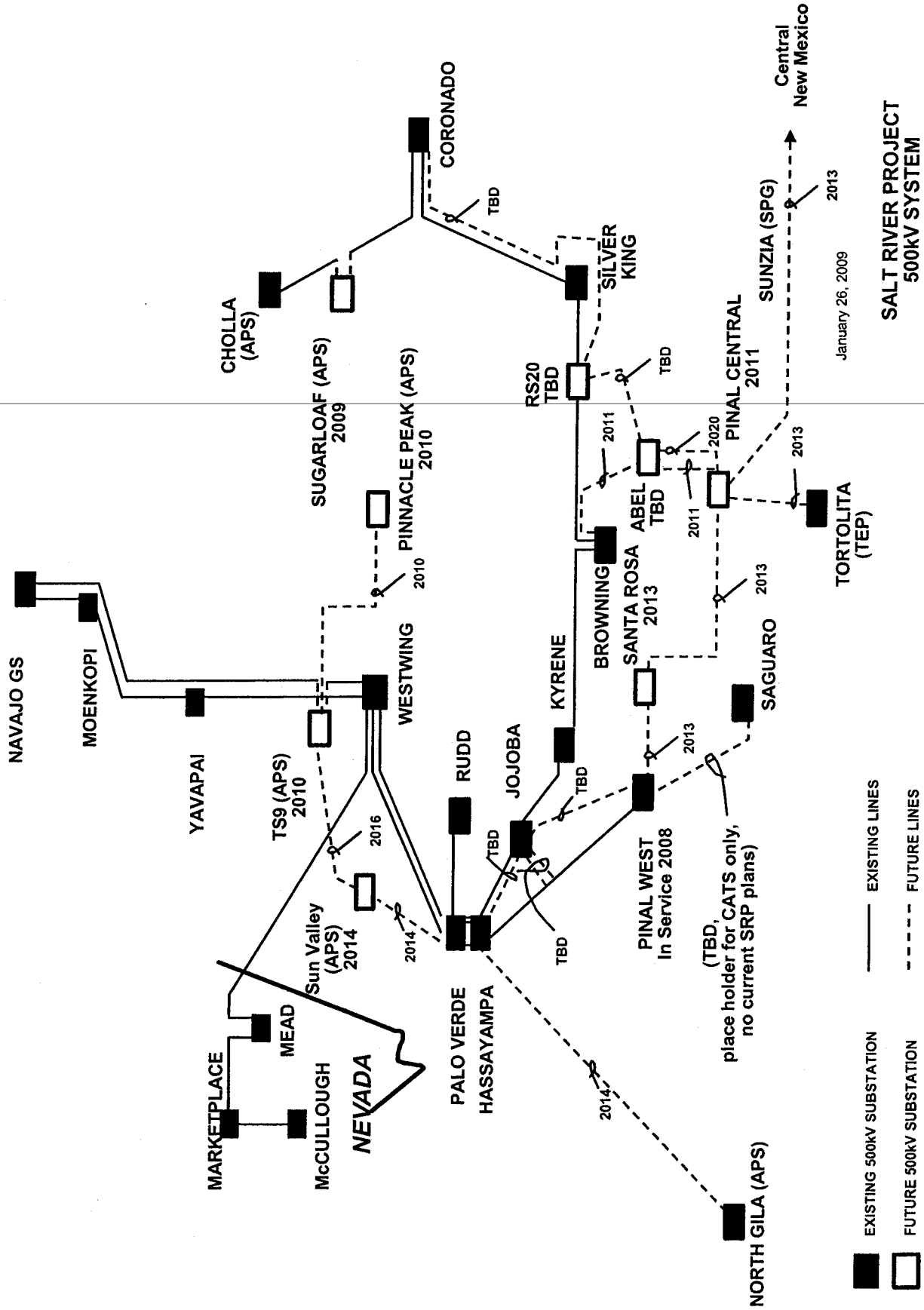
Nov 2008

	GRS Gen	Net Gen	GasBilledMCF	MMBTU PER	Consumed Coal	Pump MWH	OIL BBL CONSUMED	MMBTU PER	ENDING STOCK
AF1	481	56	5,619				3	5.87	
AF2	-	(258)	-						
AF3	2,089	1,427	21,385						
AFGT		(109)							
AFSV	23	23							
AF	2,570	1,116	27,004	1.013					132,293
CO1	288,498	258,009			153,409		769		
CO2	278,445	249,247			140,648		716		9,705-O *87 bbls used oil converted
CO	566,943	507,256			294,057		1,485	5.87	353,692-C
DB GT (CT)	62,490	59,081	691,745						
DB STM (CA)	36,223	36,223	11,833						
DB DB1			7,838						
DB DB2			3,996						
DB PLT	98,713	95,304	703,578	1.030					
HM 123	-	(45)							
HM 4	-	(15)							
KY 1	-	-							
KY 2	-	(50)							
KY GT		(134)							
KY 7 GT (CT)	33,026	32,124	368,107						
KY7 STM (CA)	16,720	16,122	-						
KY PLNT	49,746	48,062	368,107	1.017			-		6,030
MF1	203	196							
MF2	1,816	(1,208)				2,799			
NA1	502,029	455,546			211,656		153		
NA2	446,730	410,536			195,373		2,194		
NA3	410,571	378,566			172,370		1,504		36,156-O
NA	1,359,330	1,244,648			579,399		3,851	5.78	642,192-C
ST1-4 (CS)	16,693	15,064	149,577						
ST5 STM	89,602	87,189	61,936						
ST5 DB1 (CA5A)									
ST5 DB2 (CA5B)									
ST6 STM (CA6A)	48,514	46,956	30,587						
ST56 GT (CT)	230,972	226,401	2,422,830						
ST PLT	385,781	375,610	2,664,930	1.032					

## Monthly Power Plant Report

Dec 2008

	GRS Gen	Net Gen	GasBilled MCF	MMBTU/ PER	Consumed Coal	Pump MWH	OIL BBL CONSUMED	MMBTU PER	ENDING STOCK
AF1	-	(178)	-						
AF2	794	512	8,678						
AF3	761	463	8,635						
AFGT		(104)							
AFSV		92							
AF	1,555	693	17,313	1.027			-		132,293
CO1	312,318	279,310			165,772		54		
CO2	263,439	235,804			132,480		1,722		7,928-O
CO	575,757	515,114			298,252		1,776	5.87	384,992-C
DB GT (CT)	85,163	81,023	918,658						
DB STM (CA)	50,964	50,964	28,728						
DB DB1			24,493						
DB DB2			4,235						
DB PLT	136,127	131,987	947,386	1.034					
HM 123	1,091	1,019							
HM 4	11,260	(5,070)				16,160			
KY 1	-	-	-						
KY 2	-	(46)	-						
KY GT	170	19	2,452						
KY 7 GT (CT)	67,995	66,700	714,684						
KY7 STM (CA)	33,057	32,194	8,782						
KY PLNT	101,222	98,867	725,918	1.028			-		6,030
MF1	522	514							
MF2	6,489	(1,811)				8,142			
NA1	507,768	468,458			219,837		44		
NA2	410,379	377,568			179,431		1,778		
NA3	348,238	319,168			149,923		2,767		31567-O
NA	1,266,385	1,165,194			549,191		4,589	5.87	706,260-C
ST1-4 (CS)	28,777	27,355	255,985						
ST5 STM	129,875	126,586	159,677						
ST5 DB1 (CA5A)									
ST5 DB2 (CA5B)									
ST6 STM (CA6A)	52,463	50,982	53,739						
ST56 GT (CT)	295,853	291,121	3,026,450						
ST PLT	506,968	496,044	3,495,851	1.035412			-		



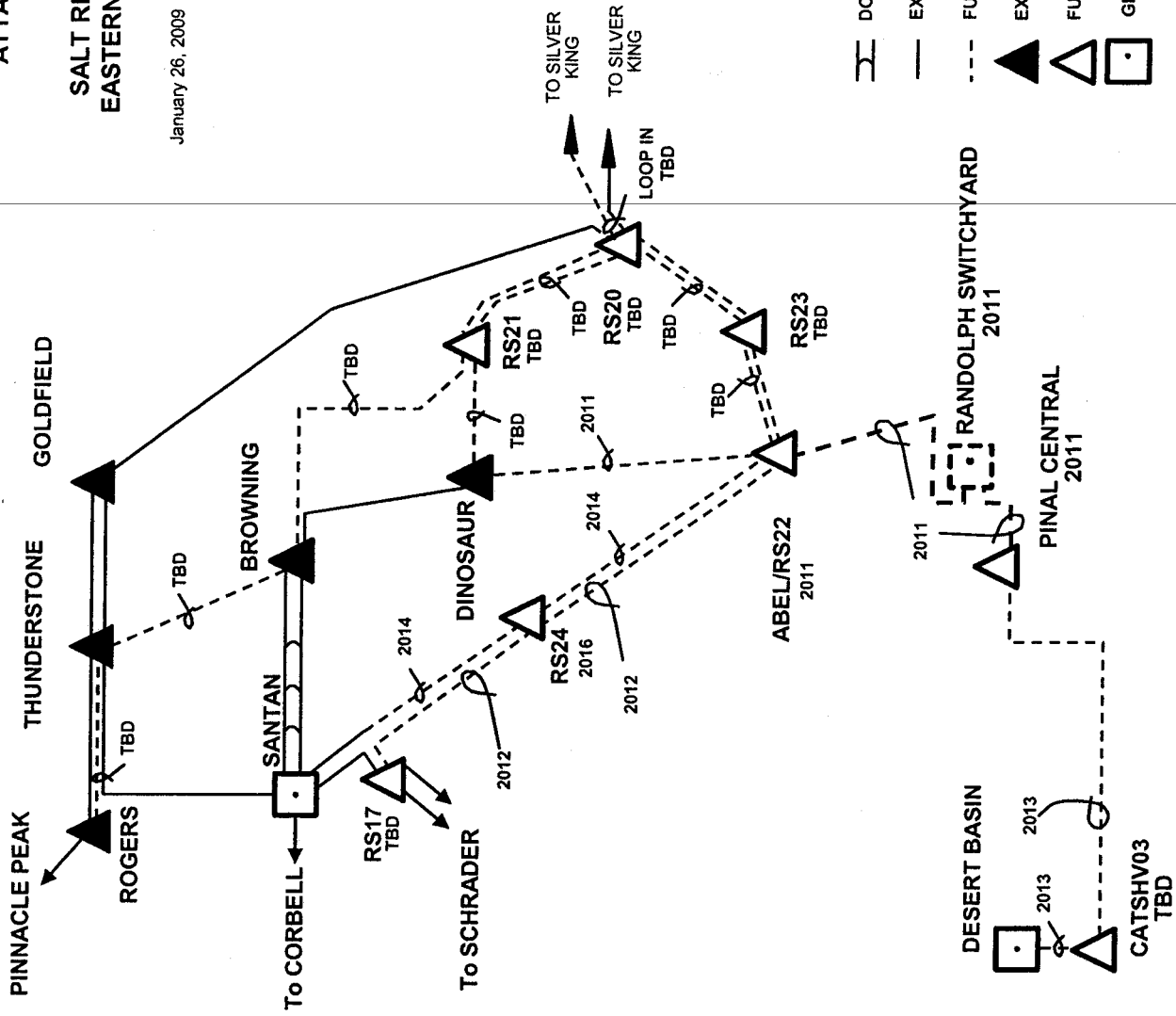
SALT RIVER PROJECT  
500kV SYSTEM

ATTACHMENT A

ATTACHMENT B

SALT RIVER PROJECT  
EASTERN 230kV SYSTEM

January 26, 2009

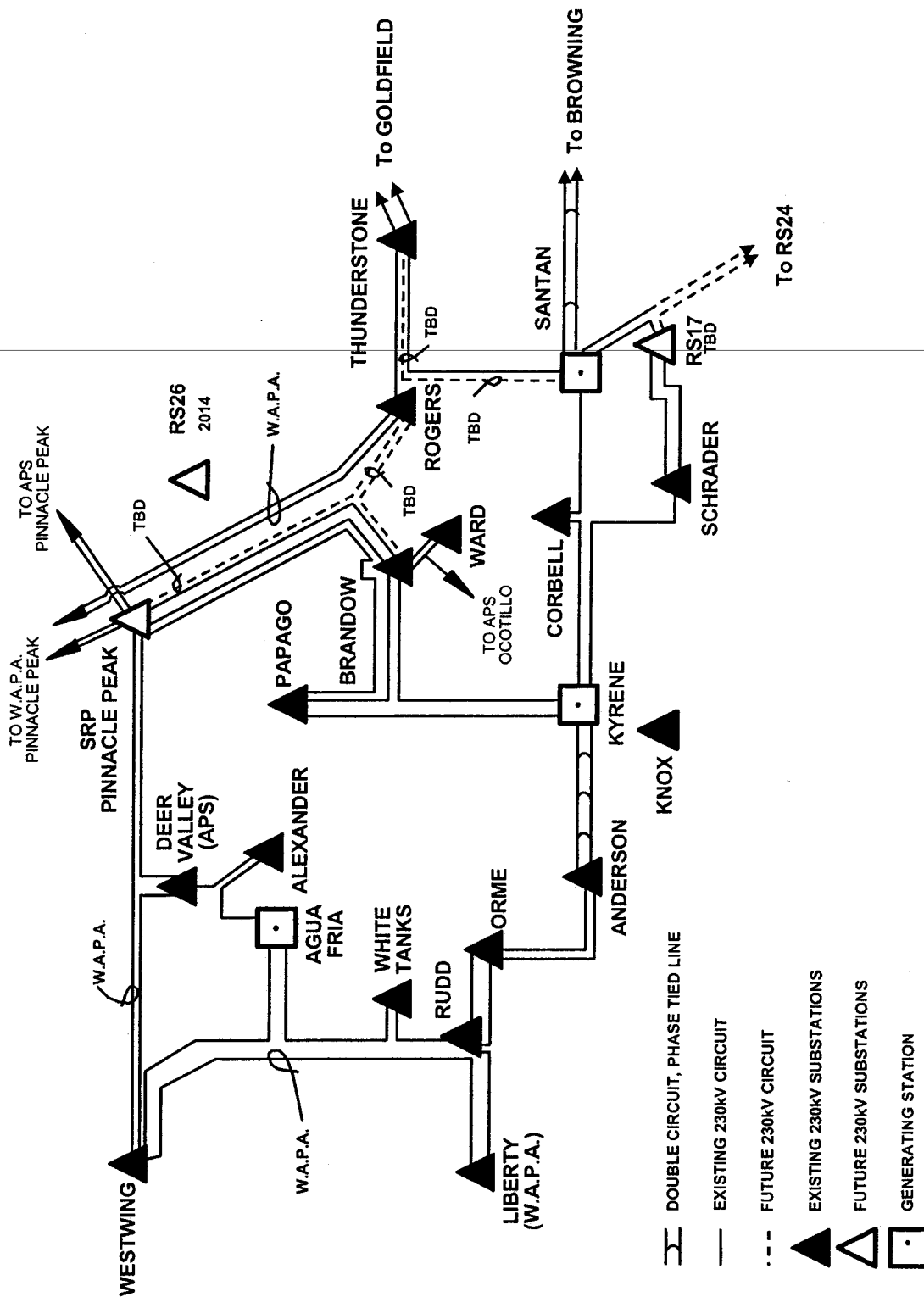


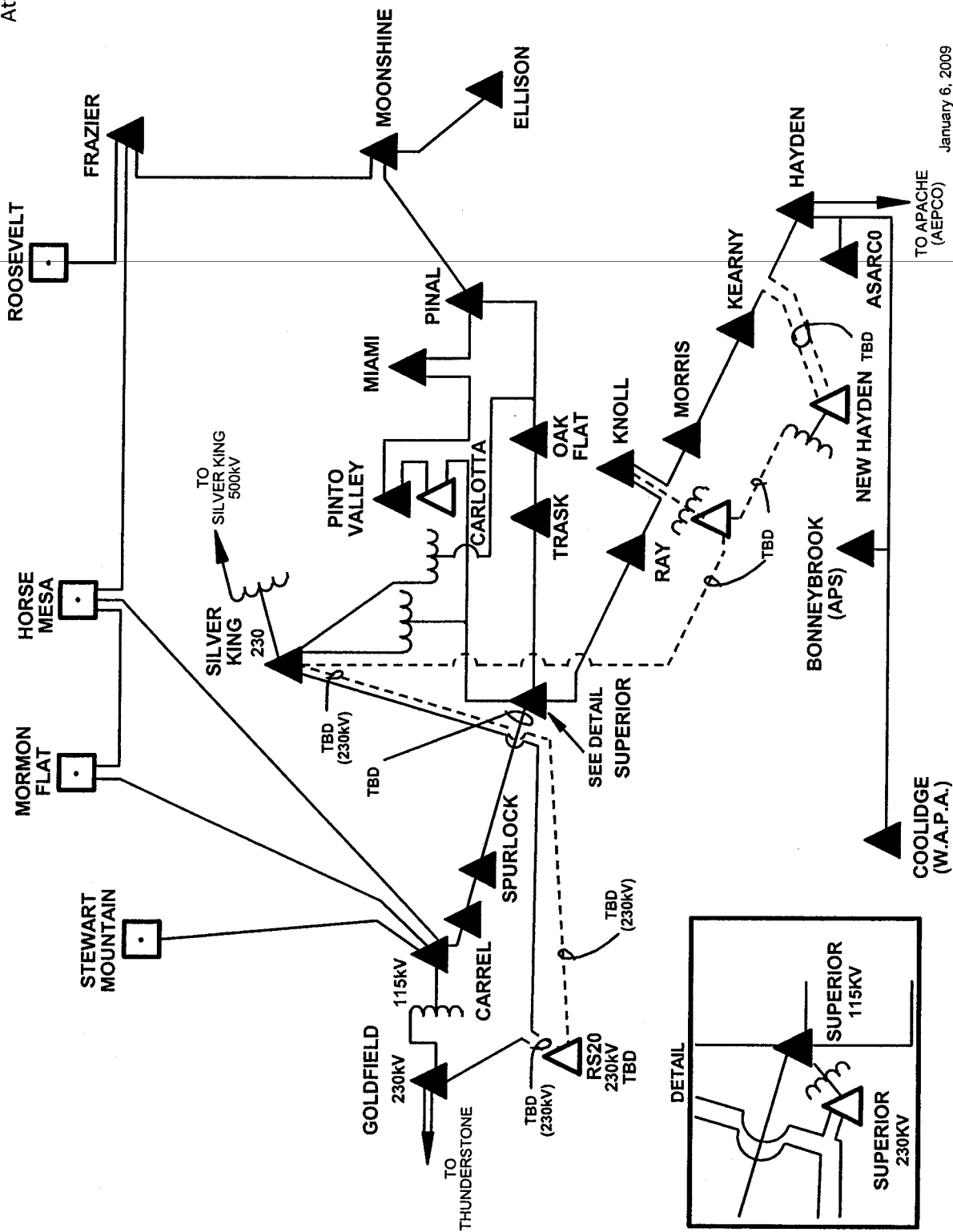


# ATTACHMENT C

## SALT RIVER PROJECT WESTERN 230kV SYSTEM

January 6, 2009





**Capacity of SRP Transmission Lines - 2009**

<u>Level</u>	<u>Transmission Line</u>	<u>Capacity (MVA)</u>
115	Coolidge/Bonneybrook	119.5
	Bonneybrook/Hayden	119.5
	Ellison/Moonshine	119.5
	Frazier/Horse Mesa	159.4
	Frazier/Moonshine	159.4
	Frazier/Roosevelt	39.8
	Goldfield/Horse Mesa	181.3
	Goldfield/Mormon Flat	161.3
	Goldfield/Carrel/Spurlock	161.3
	Goldfield/Stewart Mountain	161.3
	Hayden/Kearney Tap/Morris	119.5
	Hayden/Asarco	119.5
	Horse Mesa/Mormon Flat	159.4
	Knoll/Morris	119.5
	Knoll/Ray	119.5
	Miami/Pinal	119.5
	Miami/Pinto Valley	119.5
	Moonshine/Pinal	159.4
	Oak Flat/Trask/Superior	164.3
	Ray/Superior	164.3
	Silver King/Oak Flat/Pinal	164.3
	Silver King/Superior/Carlota	164.3
	Carlota/Pinto Valley	164.3
	Spurlock/Superior	164.3
230 kV	Agua Fria/Alexander	360.0
	Agua Fria/Westwing	880.4
	Agua Fria/White Tanks	832.6
	Alexander/Deer Valley <sup>1</sup>	720.0
	Anderson/Kyrene	796.7
	Anderson/Orme #1	796.7
	Anderson/Orme #2	796.7
	Brandow/Kyrene	725
	Brandow/Papago Buttes	637.4
	Brandow/Pinnacle Peak #1	362.5
	Brandow/Pinnacle Peak #2	362.5
	Brandow/Ward	362.5
	Browning/Dinosaur	796.7
	Browning/Santan	936.3
	Corbell/Kyrene	796.7

	Corbell/Santan	637.4
	Deer Valley/Pinnacle Peak	720
	Deer Valley/Westwing	796.7
	Eldorado/Mead <sup>2</sup>	988.0
	Goldfield/Silver King	362.6
	Goldfield/Thunderstone #1	416.3
	Goldfield/Thunderstone #2	416.3
	Kyrene/Papago Buttes	796.7
	Kyrene/Knox <sup>6</sup>	776.8
	Liberty/Rudd	637.4
	Orme/Rudd #1	832.6
	Orme/Rudd #2	832.6
	Papago Buttes/Pinnacle Peak	796.7
	Rogers/Thunderstone	416.3
	Rudd/White Tanks	833
	Santan/Thunderstone	725
	Schrader/Kyrene	832.6
	Schrader/Santan	832.6
500 kV	Coronado/Silver King	1732.1
	Cholla/Colorado <sup>3</sup>	1732.1
	Eldorado/Mohave <sup>2</sup>	158
	Hassayampa/Jojoba/Kyrene	2304.0
	Hassayampa/Pinal West <sup>9</sup>	672.0
	Browning/Kyrene <sup>7</sup>	1732.1
	Browning/ Silver King	2304
	Moenkopi/Westwing <sup>4</sup>	712
	Navajo/Moenkopi <sup>4</sup>	
	Navajo/Westwing <sup>4</sup>	
	Palo Verde/Westwing #1	2598.1
	Palo Verde/Westwing #2	2598.1
	Mead/Perkins/Westwing <sup>5</sup>	1671.0
	Palo Verde/Rudd <sup>8</sup>	1200.0

**Notes:**

- <sup>1</sup> SRP has use of 50% of this line. SRP's entitlement is shown.
- <sup>2</sup> SRP has transmission rights equivalent to its Mohave entitlement. That entitlement is shown.
- <sup>3</sup> The limiting component is a 2000 amp line trap.

- 4      These three lines make up the Navajo Southern Transmission System. The total capability of this system is 1860 MVA. SRP's entitlement is 38.3% or 712 MVA.
- 5      Two phase shifters of 650 MVA are connected to the line. A total capacity of the two-phase shifters is 1300 MVA and SRP's entitlement is 18.1% or 236 MVA for the lines and phase shifters. The system is being operated with these phase shifters bypassed. This is the current rating.
- 6      APS provides transmission service through a transmission service agreement.
- 7      The circuit is limited by a 2000 amp breaker open fail contingency.
- 8      SRP owns 50% of this line. Total capacity of PL-RUD is 2400MW, SRP's entitlement is 1200.
- 9      Total capacity of HAA-PINAL WEST is 672MW for 500/345kV transformer.

**SALT RIVER PROJECT  
EXISTING RENEWABLE DATABASE**

	NUMBER	RATING	BATTERY
<u>ECONOMIC OFF GRID PV APPLICATION</u>			
Water Delivery Recorders	48	2 watts	1.2 amp hr
Rain and Snow Gauges	20	10 watts	26 amp hr
Ground Water Level Recorders	4	5 watts	6.0 amp hr
Water Measurement Recorder-Granite Reef Monitoring Wells 1,2, &3; NE-1, NE-2) Recharge Facility - Pima Indian Reservation	5	2 watts	1.2 amp hr
Water Measurement	1	50 watts	105 amp hr
Ft. McDowell Delivery (WUA SCADA)	1	50 watts	105 amp hr
Ft. McDowell Return (WUA SCADA)	1	50 watts	105 amp hr
Dead Horse Ditch (WUA SCADA)	1	100 watts	105 amp hr
Agua Fria (WUA SCADA)	1	50 watts	105 amp hr
Consolidated Canal Tail (WUA SCADA)			
Nitrate Measurements			
Mobile Nitrate (5-6) (WUA SCADA) (decommissioned)			
Nitrate (5-10) (WUA SCADA) (decommissioned)			
Communications	1	320 watts	1000 amp hr
Estrella Mountain (Microwave/Radio)			
Notes:			
1) All sites are 12 Vdc			
2) WUA SCADA sites use radios to communicate to WUA SCADA master station			
3) Rating - power per module(s)			

<u>R&amp;D PV PROJECTS</u>			
Residential grid-connected roof-mounted PV System on the Chandler Research Residence (SRP owned facility) (Decommissioned)	1	1 kW dc	-
Solar Heat Pump Project	1	3 kW dc	-
Demonstration of PV assisted variable speed 5 ton heat pump system on a customer owned residence - (field testing completed January 1996-system decommissioned)			
Photovoltaic-Battery System Demonstration	1	2.4 kW dc	1050 amp hr
Demonstration to determine effective ways to use PV- Battery Systems to dispatch PV energy - 2.4 kW dc with 25.2 kwh energy storage (Decommissioned)			
South Mountain Community College PV Power System	1	2 kW dc	-
Residential Photovoltaic Power System – AC Module Technology	1	1 kW	

<u>R&amp;D PV PROJECTS (cont'd)</u>			
Residential Grid Connected PV System SRP Chandler House	1	2 kW	
Scottsdale Community College PV Power System	1	1 kW	
Cesar Chavez High School PV Power System	1	1 kW	
SRP Credit Unit PV Power System	1	1 kW	
Residential Model Home – PV Power System (Project completed – PV Systems transferred to Home Builder)	6	1 kW ea	
Chandler Research House PV Upgrade	1	2 kW	
ASU East PV	1	1kW	
Arizona Falls PV	1	2kW	

<u>SUSTAINABLE PORTFOLIO PROGRAMS</u>			
Agua Fria PV Power Plant (completed March 2001)	1	200 kW	
Tri-Cities Landfill Gas Facility (2001)	1	4 MW	
Rogers PV Power Plant 1 (Relocated to Rogers Substation)	1	100 kW	
Rogers PV Power Plant 2 (Relocated to Rogers Substation)	1	100 kW	
Solar Choice Plant 1 & 2 – RELOCATED (Renamed – now Rogers Plant 1 & 2)			
Mesa Red Mountain Library PV Power Plant (2003)	1	25 kW	
Phoenix Park & Ride PV Plant (2003)	1	102 kW	
Arizona Falls Hydroelectric Plant (2003)	1	750 kW	
ASU East Campus Molten Carbonate Fuel Cell (2004)	1	250 kW	
Rogers Solar Park PV Power Plant 3 (2004)	1	200kW	
Coronado Generating Station PV (2005)	1	25 kW	
Tempe Warehouse PV (2005)	1	75kW	
Wind Power Purchase Agreement	1	50MW	
Geothermal Power Purchase Agreement	1	25MW	
U.S. Bureau of Reclamation PV Plant (2006)	1	10 kW	

Scottsdale Senior Center (2006)	1	32 kW	
Bartlett Dam Low Impact Hydro Plant (2006)	1	45 kW	
Scottsdale School District - Arcadia H.S. Concession Stand	1	7.8kW	
Power Operations Building PV (2008)	1	75 kW ac	
Maryvale YMCA PV (2008)	1	9.4 kW ac	
Habitat for Humanity PV (2008)	7	3.3kW ac/ea	
<b>CUSTOMER SOLAR INCENTIVE PROGRAMS</b>			
EarthWise Solar Energy Program: Solar Electric Systems (through 2008)	427	1609.3 kW ac	
EarthWise Solar Energy Program: Solar Water Heating Systems (through 2008)	846	1337.2 kW (approx. equivalent)	

<b><u>PARTICIPATION PROJECTS</u></b>			
Solar Two - Central Receiver (Solar Thermal) (Project Completed)		10 MW	
Santa Clara Molten Carbonate Fuel Cell Demonstration (Project Completed)		1.8 MW	
EPRI – ASU East Residential Fuel Cell RD&D Project (ongoing)	1	5 kW	

<b><u>ALLIANCES &amp; INDUSTRIAL PARTNERSHIPS</u></b>			
EPRI - Member: - Renewable Technology Options and Green Power Marketing  PVUSA - Participation in utility-DOE consortia to evaluate emerging module technologies and grid-connected utility scale systems in utility environment - Member of PVUSA Technical Review Committee (Project Completed)			
<b><u>ALLIANCES &amp; INDUSTRIAL PARTNERSHIPS (cont'd)</u></b>			
Solar Two - Member Solar Two Steering Committee and Technical Advisory Committee (Completed)			



Solar Electric Power Association - Participant in Solar Electric Power Association Work Groups (formerly UPVG)			
IEEE SCC21 Working Group P1547 – Distributed Resources and Electric Power Systems Interconnecting (concluded)			
Residential Fuel Cell Demonstration Project CASU, EPRI	1	5kW	-
ACORE – American Council on Renewable Energy			

<u>MONITORING</u>			
Solar One (J F Long)		160 kW dc	
A privately owned photovoltaic system located within SRP's service territory - SRP is monitoring system energy production (System not currently operational)			

<u>SOLAR THERMAL ELECTRIC PROJECTS</u>			
Sun dish project (decommissioned 2005) Solar dish technology	1	25 kW	
<u>SOLAR THERMAL WATER HEATING</u>			
Roof integrated thermo Siphon prototype water heating system (2003)	3	1 kW ea (equivalent)	

**SALT RIVER PROJECT AGRICULTURAL IMPROVEMENT AND POWER DISTRICT**

**BUYBACK SERVICE RIDER**

**SUPPLEMENTAL TO RESIDENTIAL PRICE PLANS E-23 AND E-26  
GENERAL SERVICE PRICE PLANS E-32 AND E-36,  
LARGE GENERAL SERVICE PRICE PLANS E-61, E-63 AND E-65**

Effective: November 1, 2004

**APPLICABILITY:**

To those cogeneration and small power production customers served by SRP under Standard Price Plans E-23, E-26, E-32, E-36, E-61, E-63, and E-65 who purchase power and energy provided by SRP and who are qualified to sell power and energy back to SRP.

**CONDITIONS:**

1. To segregate load between firm service and buyback service, two or more meters are required. The customer's purchases from and sales to SRP must be measured separately. The customer is required to provide a metering service entrance for all meters and pay the costs for the additional meter(s).
2. An Interconnection/Generation Agreement with the customer is required for service under this rider.
3. The customer will pay SRP for interconnection costs prior to commencement of service under this rider. Interconnection costs include but are not limited to reasonable costs of connection, switching, relaying, metering, transmission, distribution, safety provisions, engineering studies and administrative costs incurred by SRP directly related to the installation of the physical facilities necessary to permit interconnected operations.

**CREDIT:**

$$\text{Buyback Credit} = \sum [(\text{Hourly Buyback Energy}) \times (\text{Hourly Indexed Energy Price} - \$0.00017/\text{kWh})]$$

where:

Hourly credits are summed across all hours in the billing cycle. Hourly credits are the product of the hourly energy sold to SRP and the adjusted Hourly Indexed Energy Price. The adjusted Hourly Indexed Price is the product of the Dow Jones Firm On-Peak or Firm Off-Peak Price at Palo Verde (or another comparable index if the Dow Jones Index is no longer available), multiplied by the Hourly Pricing Percentage. The Hourly Pricing Percentage "shapes" the Dow Jones On-Peak and Off-Peak Prices, based on historical hourly price relationships published by the California Power Exchange (CA PX) for the Palo Verde Day Ahead Market Clearing Price Post Congestion from April 1998 until January 2001, when the CA PX discontinued operations.

Buyback Service Rider

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The price adjustment of \$0.00017/kWh represents the cost incurred by SRP for scheduling, system control, and dispatch services.

**ADJUSTMENTS:**

SRP increases or decreases billings under this schedule in proportion to any taxes, fees, or charges (excluding federal or state income taxes) levied or imposed by any governmental authority and payable by SRP for any services, power, or energy provided under this schedule.

**RULES AND REGULATIONS:**

Service under this schedule is in accordance with the terms of SRP's Rules and Regulations, including any amendments.

**SALT RIVER PROJECT AGRICULTURAL IMPROVEMENT AND POWER DISTRICT**  
**RESIDENTIAL SOLAR BUYBACK SERVICE RIDER**  
**SUPPLEMENTAL TO RESIDENTIAL PRICE PLAN E-23 AND E-26**

Effective: June 1, 2004

**APPLICABILITY:**

To solar electricity conversion systems with an Alternating Current electrical peak capability of ten kilowatts or less. Limited to customers served by SRP under Standard Price Plan E-23 or E-26 who purchase power and energy provided by SRP and who are qualified to sell power and energy back to SRP. Not available to other customers.

**CONDITIONS:**

1. To segregate load between on-peak and off-peak periods, two or more meters may be required for Buyback Service under the E-26 Price Plan. The customer is required to provide a metering service entrance for all meters.
2. An Interconnection/Generation Agreement with the customer is required for service under this rider.
3. The customer may pay SRP for interconnection costs prior to commencement of service under this rider. Interconnection costs include but are not limited to reasonable costs of connection, switching, relaying, metering, transmission, distribution, safety provisions, engineering studies and administrative costs incurred by SRP directly related to the installation of the physical facilities necessary to permit interconnected operations.
4. The customer's total generation output is sold directly to SRP and the customer's total electric requirements are met by sales from SRP.

**NET METERING METHOD:**

The kWh delivered to SRP shall be subtracted from the kWh delivered from SRP for each billing cycle. If the kWh calculation is net positive for the billing cycle, SRP will bill the net kWh to the customer under the applicable price plan, Standard Price Plan E-23 or E-26, for which they take service. If the kWh calculation is net negative for the billing cycle, SRP will credit the net kWh from the customer at an average market price. Net negative kWh will not be transferred to subsequent months.

**CREDIT:**

Residential Solar Buyback Credit = Excess kWh for the Bill Cycle \* (Average Monthly Market Price - \$0.00017/kWh)

Residential Solar Buyback Service Rider

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where:

- Excess kWh for the Bill Cycle is equivalent to the net negative kWh for the bill cycle.
  - Average Monthly Market Price is calculated to be a simple average of the Daily On-Peak Market Price over the bill cycle. Daily prices will be taken from the Daily Firm On-Peak Price at Palo Verde published by Dow Jones (or another comparable index if the Dow Jones Index is no longer available).
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- The price adjustment of \$0.00017/kWh represents the cost incurred by SRP for scheduling, system control, and dispatch services.

**ADJUSTMENTS:**

SRP increases or decreases billings under this schedule in proportion to any taxes, fees, or charges (excluding federal or state income taxes) levied or imposed by any governmental authority and payable by SRP for any services, power, or energy provided under this schedule.

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